



## ARRL Centennial Regional Convention & Northwestern Division Convention



Photo © City of Seaside Visitors Bureau

**Seaside Convention Center**  
**Seaside, Oregon**  
**June 6, 7 and 8, 2014**  
[www.seapac.org](http://www.seapac.org)

Presented by the  
Oregon Tualatin Valley Amateur Radio Club

# Welcome to SEA-PAC!

It is our pleasure to welcome you to *SEA-PAC*, the premier Ham Convention in the Northwest. This year we are hosting the Northwest Division ARRL 100<sup>th</sup> anniversary celebration. While it is always hard to improve on the fantastic work of past events, the *SEA-PAC* committee is dedicated to making your visit with us both pleasurable and memorable. Some subtle changes are made each year as we continue to grow with new technology and experience.

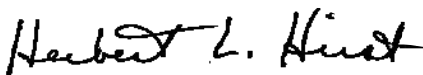
This past year has also seen much growth and awareness of our hobby. The ranks of amateur radio are increasing and recent disasters have highlighted the continuing need for "Hams" to respond. As is seen on some t-shirts "When all else fails, call on a ham". The hams of the world have always stepped up in the time of need and provided that much needed communication link. We are also seeing more interest from younger people as they find that amateur radio is not only fun, but also educational. Whether that be "rag chewing" with someone in another country or building "homebrew" equipment. Yes, "homebrewing" still exists and there are also some wonderful kits available.

So, as *SEA-PAC* embarks on year 32, please know that your continued support for it is greatly appreciated. We remain proud of our history and that our attendees come not only from Oregon, but from Washington, Idaho, Montana, Northern California, and Canada. Thank you all for your fantastic support.

Please join us in wishing the ARRL continued success as we march toward the next 100 years.

*SEA-PAC* is sponsored annually by the Oregon Tualatin Valley Amateur Radio Club and is co-sponsored by the Clark County Radio Club. A special thank you to all the convention volunteers for their assistance.

We invite everyone to enjoy themselves to the fullest while at *SEA-PAC* and be a key part of making this special event a success.



Herbert L. Hirst, K7HLH  
President  
Oregon Tualatin Valley Amateur Radio Club  
*SEA-PAC* Convention Sponsoring Club



# CONTENTS

Welcome to <del>SEA-PAC</del> .....	Page 2
Contents .....	Page 3
Northwest Division (NWD) Guests .....	Page 4
Schedule of Events .....	Page 5
ARRL Special Guests .....	Pages 6-7
YL Luncheon Speaker .....	Page 7
DX Luncheon Speaker .....	Page 7
Banquet Speaker & Entertainment .....	Page 9
Prizes .....	Pages 9 & 12
Exhibitors .....	Page 10
Prize Donors .....	Page 11
NWD Section Managers .....	Pages 13, 15, 22, 24, 29 & 30
Friday Workshops .....	Page 17
Seminars .....	Pages 18-21
<del>SEA-PAC</del> 2014 Pin Winner .....	Page 25
Seamist Room and Shilo Inn Meetings .....	Page 26
CW Proficiency Test/Contest .....	Page 27
Wouff Hong Ceremony .....	Page 29
Chuck Mickley Memorial Scholarship .....	Page 31
<del>SEA-PAC</del> Committees .....	Page 34

## **V.E. TEST SESSION**

***Testing at Our Savior's Lutheran Church — West Parish Hall  
(North — across the street from the Convention Center)***

***One Session—Saturday at 9 AM***

***Pre-registration requested. Walk-ins — Space Available***

## SEA-PAC WELCOMES OUR NWD GUESTS



**James (Jim) D. Pace, K7CEX, ARRL Northwestern Division Director**, was first Licensed in 1957 as KN7CEX, he upgraded to General in 1958. Over nearly 56 years, Jim has been an active operator, promoting Amateur Radio and ARRL at every opportunity. He has served as an OES, DEC, SEC, and ASM in Western Washington. As Section Manager, he worked hard to strengthen amateur radio in western Washington, including the ARES program which has become one of the more successful in the Nation. The western Washington OO program is the most active in the Nation, logging several hundred

hours of monitoring each month. The Technical Specialist program has become a Technical Assistance program, for the benefit of all Hams - new or old. Over the past four years Jim has worked hard to develop good relationships between the western Washington amateur radio community and our served agencies, such as: Department of Natural Resources, FEMA Region 10, Washington Emergency Management Division, Washington State Patrol, Washington State Guard, and many others including our County Emergency Managers. Jim is currently serving as the Washington State RACES Officer and represents amateur radio on the State Emergency Communications Committee (SECC), which oversees the EAS and AMBER alert programs. Jim has 2 children; Tammy who Lives in Pensacola Florida and Zach who lives in Beaverton, Oregon. Jim is retired but fills his time with church work, with his children, and Ham Radio.



**Bonnie Altus, AB7ZQ, ARRL Northwestern Division Vice Director**, is presently working as an adjunct college instructor at between four and seven schools each term. Most classes are online, but she occasionally teaches in the classroom. She is teaching Digital Literacy at Linn Benton Community College and teaching health informatics classes at Clark College and Oregon Tech. She is also teaching computer applications and health information management courses at other schools. Bonnie was first licensed in 1997 while working as a hospital information systems and telecommunications manager. Bonnie was elected as the Oregon Section Manager in 2006 and served in that position until appointed to complete a term as the Northwestern Division Vice Director in 2014.

# SCHEDULE OF EVENTS

## Friday, June 6

Friday Workshop: Contesting (Shilo Inn) .....	9:00 AM - 5:00 PM
Registration Open .....	11:00 AM - 8:00 PM
Exhibitor/Flea Market Set-Up .....	11:00 AM - 8:00 PM
Friday Workshops Lunch (Shilo Inn).....	12:00 Noon
Friday Workshop: Ad hoc Mesh Networking (Conv Ctr).....	1:00 PM - 4:30 PM

## Saturday, June 7

Exhibitor/Flea Market Set-Up.....	7:30 AM - 9:00 AM
Registration Open .....	8:00 AM - 4:30 PM
VE Exams (Pre-registered).....	9:00 AM
(Our Saviour's Lutheran Church - West Parish Hall)	
Exhibits & Flea Market Open.....	9:00 AM - 4:30 PM
Snack Bar.....	9:00 AM - 4:30 PM
Seminars (Convention Center).....	10:00 AM - 5:00 PM
Hourly Prizes .....	10:00 AM - 3:00 PM
YL Luncheon (Shilo Inn).....	11:30 AM - 12:45 PM
<i>With Kay Craigie, N3KN, "YL's and Amateur Radio"</i>	
DX Luncheon (Shilo Inn).....	11:30 AM - 12:45 PM
<i>With Rob Fanfant, N7QT, "The TX5D DXpedition"</i>	
ARRL Forum (Seaside B&C).....	1:00 - 2:00 PM
<del>SEA-PAC</del> Prizes.....	2:30 PM
CW Qualification and Speed Contest (Seamist Room) .....	4:00 PM
Pre-Banquet Happy Hour.....	6:30 PM - 7:15 PM
<del>SEA-PAC</del> Banquet (Convention Center).....	7:15 PM - 9:30 PM
Guest speaker is Kay Craigie, K3KN <i>"Beginning the Second Century"</i>	
ARRL Wouff Hong Ceremony (Convention Center).....	11:30 PM

## Sunday, June 8

Registration.....	8:30 AM - 12:00 Noon
Exhibits & Flea Market Open.....	9:00 AM - 12:00 Noon
Hourly Prizes.....	9:00 AM - 11:00 AM
Seminars (Convention Center) .....	10:00 AM - 12:00 Noon
Snack Bar.....	9:30 AM - 2:00 PM
Major Prizes (Convention Center) .....	1:00 PM - 2:00 PM
Convention Closes.....	2:00 PM

## SEA-PAC WELCOMES OUR ARRL GUESTS



**Kay Craigie, N3KN**, was the First Vice President in 2006 and has been the ARRL President since 2010. She has been recently re-elected to a third term in Jan 2014. Kay has served on all the standing committees of the ARRL.



**James E. (Jim) Fenstermaker, K9JF**, was elected ARRL Second Vice President in January 2014. Formerly the Northwestern Division Director for nine years, he has served on many ARRL committees including Finance, Programs & Services and Legislative Action.



**Bob Inderbitzen, NQ1R**, is Marketing Manager of ARRL. He is responsible for ARRL membership and publication marketing. His interests in ham radio include casual HF operating, portable operating and contesting. Bob joined the ARRL staff in 1991.



**Lauren Clarke, KB1YDD**, serves as the ARRL Individual Giving Manager. She oversees many funds including Education & Technology Fund, Spectrum Defense Fund, Diamond Club, and the W1AW Endowment Fund.



**Sean Kutzko, KX9X**, came to the ARRL in 2007, where he was the Contest Branch Manager until accepting the PR Manager position in June 2013.



**Yvette Vinci, KC1AIM**, is the Member Services and Circulation Manager of the American Radio Relay League. She joined ARRL in June 2013 and is responsible for the distribution of QST and thoroughly enjoys supporting members of the ARRL Organization.



## ARRL Centennial Coin

Remember to exchange the coupon you received when you registered for your very own commemorative ARRL Centennial Coin.

The Centennial Coins will be given out at the ARRL information booth.

## YL Luncheon Speaker

**Kay Craigie, N3KN**  
"YL's and Amateur Radio"

## DX Luncheon Speaker

**Rob Fanfant, N7QT**  
"The TX5D DXpedition"



**Rob Fanfant, N7QT**, and **Grant Saviers, KZ1W**, were on Raivavae Island (Australis) - French Polynesia (OC-114) October 2013 for a mini-DXpedition as TX5D. Rob N7QT has become a regular provider of DX contacts from the Caribbean and Pacific in the last two years. The DX operations are "suitcase style" but are productive for Northwest hams. Their TX5D operation provided nearly 19 thousand QSOs on 80-10 meters using CW, SSB, and PSK, using "verticals on the beach".

In April 2013, Rob operated from St. Lucia, from Saba and Sint Maarten in November. His 2014 plans include San Andres in April, Austral Islands in October, and the North Cooks (Manihiki) in November.

## ARRL Second Century Campaign

The Second Century Campaign, created in honor of ARRL's Centennial, provides individuals and clubs with the opportunity to keep ARRL as active and vibrant in its second hundred years as it has been in its first century!



Contributions to the Campaign help to build the ARRL Endowment, making your Amateur Radio organization fiscally strong. Your donation will help ensure that ARRL will continue to be at the forefront, providing Amateur Radio services and programs, keeping our frequencies safe, and providing support for public service, DXers, and more. . .

If you have not already done so, please consider making a gift to the Second Century Campaign. For additional information, go to [www.arrl.org/arrl-second-century-campaign](http://www.arrl.org/arrl-second-century-campaign) or contact Mary M. Hobart, K1MMH, at [mhobart@arrl.org](mailto:mhobart@arrl.org) or 860-594-0397.



# BANQUET

***SEA-PAC*** is very pleased to welcome

**Kay Craigie, N3KN**

**“Beginning the Second Century”**

Kay Craigie was first elected to national office with the American Radio Relay League in 2006 when she became First Vice President, moving to President in 2010. Kay previously served on the Board of Directors from the Atlantic Division, Vice Director of that Division, and as Section Manager for Eastern Pennsylvania. She has served on every Standing Committee of the Board of Directors.

*Master of Ceremonies: Everett Curry, W6ABM*

## BANQUET PRIZES

- ♦ BaoFeng UV-5RAX Dual Band HT w/speaker Mic
- ♦ Icom IC-V-80 Sport HT
- ♦ Keurig K-Cup Coffee Maker
- ♦ Samsung Galaxy 7" Tab 3

## ***SEA-PAC*** Banquet Entertainment **“Three Together”**



The ‘Three Together’ are Doug Smith, Judy Koch  
and Don Mitchel, N7ETR

Winner of the People’s Choice Award at the 2011 Florence Winter Folk Festival at the Oregon coast, this trio has come “a long way baby” since their formation in 1997. They were awarded the Lions prestigious Melvin Jones Fellow award in 2009 for outstanding service to non-profits throughout the Northwest by performing benefit concerts for many worthy causes.

# EXHIBITORS

**AE9RB Radio Kits**  
**Alinco/REMTronix Inc.**  
**Amateur Radio Relay Group**  
**Amp 3**  
**ARCOM Communications**  
**Arlan Communications**  
**ARRL**  
**ARRL 7th Area QSL Bureau**  
**Badge Boys**  
**Battery Tech, Inc**  
**Buddipole Antennas**  
**DC Power, LLC**  
**Disaster Guy**  
**DX Store**  
**Elecraft**  
**Elk Antennas**  
**Flex Radio Systems**  
**Fue Enterprises**  
**Ham Radio Deluxe**  
**Ham Radio Websites**  
**Hip Ham Shirts**  
**Hi-Q Antennas**  
**Hot Press Ham Hats**  
**HRO (Ham Radio Outlet)**  
**ICOM America**

**Innov Antennas**  
**J Poles**  
**Just for Fun**  
**Kenwood Communications**  
**Lido Mounts**  
**Next Generation Antennas**  
**NW Digital Radio**  
**OR Navy-Marine Corps MARS**  
**Oregon State Defense Force**  
**Pacific Amateur Radio Guild**  
**Precise RF**  
**Radio Wavz**  
**Rescue Tape NW**  
**Rigol/Eclipse Technologies**  
**RT Systems**  
**STARS (Seaside Tsunami ARC)**  
**SteppIR Antennas**  
**Sunset Empire ARC**  
**TAPR**  
**Tigertronics**  
**Ventenna**  
**Western Case Company**  
**Wired Communications**  
**Yaesu**  
**YLRL**

*Due to publication deadlines we apologize for any changes or omissions.*

# PRIZE DONORS

## Prizes Donated By

AE9RB Radio Kits  
Alinco/REMtronix  
Amp 3  
ARCOM Communications  
Arlan Communications  
ARRL  
Badge Boys  
Battery Tech, Inc  
Buddipole Antennas  
DC Power, LLC  
DX Store  
DX Engineering  
Elk Antennas  
Flex Radio Systems  
Fue Enterprises  
Ham Radio Deluxe  
Ham Radio Programming by K6LCS  
Hip Ham Shirts  
Hot Press Ham Hats  
HRO (Ham Radio Outlet)  
ICOM America  
Kenwood  
Lido Mounts  
N3FJP Software  
Precise RF  
PowerWerx  
Radio Wavz  
Rescue Tape NW  
RT Systems  
Tigertronics

## Prizes Donated By (cont)

Ventenna  
Western Case Company  
Wired Communications  
Yaesu

## Merchants Donating Prizes

### Seaside OR

Best Western Ocean View Resorts  
Bigfoot's Steak House  
Camp 18 Restaurant & Gift Shop  
Circle Creek RV Resort  
Dooger's Seafood & Grill  
Guest House Inn at Seaside  
Holiday Inn Express Hotel and Suites  
Inn at Seaside  
Motel 6 at Seaside  
Norma's Seafood & Steak  
Pig 'N Pancake  
Portland Fudge  
Sam's Seaside Café  
Seaside Chamber of Commerce  
Seaside Helicopters  
Shilo Inns Suites Hotel  
Sundowner Motor Inn  
The Buzz on Broadway  
Pizza Harbor

### Nehalem OR

Nehalem Bay Wines

### Portland OR

Ebbtide Enterprises  
Outback Steak House

### Beaverton OR

Monteaux's Public House

*Due to publication deadlines we apologize for any changes or omissions.*

# PRIZES

**ALL PRIZES SUBJECT TO CHANGE**  
**Sunday, 1:00 - 2:00 pm**

## **Special ~~SEA-PAC~~ ARRL Centennial Award**

**Two round-trip air tickets and 4 hotel nights to attend the ARRL 100th Anniversary National Convention, July 17-19**

Here's your chance to visit the national headquarters of the American Radio Relay League and attend the 3-day National Convention in Hartford, CT. This award includes round trip air travel and hotel accommodations for both you and your guest. We'll also pick up the tab for your admission to the convention, a Thursday luncheon and the Saturday night Banquet.

The Centennial Convention includes 3 days of forums and presentations along with all day training tracks on various subjects. The large exhibit hall features ARRL representatives, manufacturers, equipment sellers and an indoor flea market.

Bring your license too, because you'll also have a chance to operate the W1AW flagship station using the latest transceivers. You'll also be able to visit the outgoing QSL bureau, ARRL Lab, VE coordinators, and more. Bring your camera! This is a trip of a lifetime that you won't forget.

### **Major Prizes**

**A trip to the ARRL National Convention!**

Alinco DJ-G29T Dual Band HT  
Buddipole Deluxe Package  
DX Engineering - Crimp Tool Kit  
GoPro Hero 3 Camera  
ICOM IC-V8000 2M Mobile  
Kenwood TS-590S HF/50 MHz Xcvr  
Kenwood TH-F6A Tri-Band HT  
Kindle Fire HDX 7"  
Powerwerx DB-750X Dual Band Mobile  
Yaesu FT-450D HF/50 MHz Xcvr  
Yaesu FTM-400DR Dual Band A/D Mobile  
Yaesu FT-1DR Dual Band A/D HT

### **Major Prizes**

**Need not be present**

Alinco DJ-V57T Dual Band HT  
Kenwood TM-281 2M Mobile  
Icom T70A Dual Band HT  
Icom IC-2300 2M Mobile  
Wouxun KG-UV3-2D Dual Band HT  
Yaesu VX-6R Tri Band HT

### **Early Bird**

***Need not be present***

***Registrations received by April 15, 2014***

Alinco DJ-A10 144MHz HT  
Kenwood FH-D72A Dual Band HT  
Yaesu FT-8800R Dual Band Mobile

**Each of the Hourly prizes will include**

**• Baofeng UV-5RAX Dual Band HT  
w/desk charger, antenna and speaker-microphone**

***Hourly prizes posted for two hours in the lobby and on stage.***

## Monte L. Simpson, K2MLS

### Western Washington Section Manager

**Monte Simpson, K2MLS**, was first Licensed as a Technician in 1992 as KB7RID, he then upgraded in 2007 to General. For over 20 years he has been an active operator, promoting Amateur Radio and the ARRL at every opportunity. He served as a AEC, EC, DEC, ASEC, OO and ASM in Western Washington. As Section Manager, he works hard to strengthen Amateur Radio in Western Washington. The ARES program is head and shoulders above other programs in the country. Our OO program is the most active in the nation, logging several hundred hours of monitoring each month. The Technical Specialist program has transformed into a Technical Assistance program, for the benefit of all Hams - new or old. Believes the health of the ARRL and continued growth are based on the key components of our Affiliated Clubs and the VE program. We need to attract young energetic hams into our ranks. ARRL is truly an organization of diversity in many aspects.



Monte, and his wife June of 46 years, have 2 children; Tiffany, who Lives in Bremerton and Lamont who lives in Fall River MA. He is employed full time by the State of Washington where he is a public safety communications manager. For the past nearly five years he has served in the Washington State Guard. He currently holds the rank of CW5 and is the Officer In Charge of their EMCOMM unit.

## What is “W100AW/7”?



The ARRL 100th anniversary Special Event Station “W100AW” will be on the air operating as W100AW/7 from the OTVARC club trailer.

This station will encourage making a first QSO opportunity to those who upgrade or get a first license at the VE test on Saturday morning as well as being a part of the ARRL Centennial QSO party.

Kay Craigie, N3KN, will be pulling a shift operating the station, so come on out and try to make some contacts yourself!

12 STORE BUYING POWER

WWW.HAMRADIO.COM



**HAM  
RADIO  
OUTLET**  
WORLDWIDE DISTRIBUTION

# Welcome to Seaside!

*Come By Our Booth for Special Show Pricing.*

YAESU  
FT-8800R



ICOM  
IC-7100



Kenwood  
TH-F6A



AvMap G6-APRS  
Navigator



RigExpert  
AA-54



ACOM  
2000A



**12-Store Buying Power For You and Online Superstore Ordering Too!**

ANAHEIM, CA - ATLANTA, GA - DENVER, CO - NEW CASTLE, DE - OAKLAND, CA - PHOENIX, AZ  
PORTLAND, OR - SALEM, NH - SAN DIEGO, CA - SUNNYVALE, CA - BURBANK, CA - WOODBRIDGE, VA

## **Mark Tharp, KB7HDX** **Eastern Washington Section Manager**

**Mark Tharp, KB7HDX**, was first licensed in 1989 after enrolling in a novice class offered by the Yakima Amateur Radio Club. He was elected to the office of Vice-President in the fall of 1989 and served as club president from 1992 thru 1997. Mark has served in a board level position in subsequent years. Mark now holds an amateur Extra Class license. He is a Life Member of the ARRL and has held numerous ARRL volunteer positions. Mark has held Section level positions of EC, DEC, OOC, ASM and AD. Mark's other amateur radio activities include search & rescue, AREA/RACES, contesting, repeater building, hamfests' and being an Elmer. He feels it is important for amateur operators to be involved by promoting and participating in not only League activities but amateur radio as a whole.



## **Hip Ham Shirts**

*Bringing You the Best in Ham Radio Apparel*



23535 SW 82nd Avenue  
Tualatin, OR 97062  
503.855-4741  
[www.HipHamShirts.com](http://www.HipHamShirts.com)

*SEA-PAC* Limited Edition T-shirts.  
Available at our booth while they last.

SAME DAY  
SHIPPING



### RG8X COAX ANTENNA CABLE PL-259 MALE - MALE 50 FT.

50 ft. RG-8X antenna cable for Ham Radio and CB.



Shielded 50 ohm cable with molded-on strain relief and PL-259 plugs on each end.

The connections inside are soldered and the cable has all copper conductors. Double-shielded too!

**OUR PRICE: \$14.99**

Warranty: One year from wiredco.com

### LED STRIP SMT COOL WHITE LOW PROFILE 12VDC 20" 7W

This 20" LED strip light has surface mount SMD/SMT cool white "daylight" LEDs.



It is incredibly energy efficient, uses only 7 Watts of electricity while producing 590 lumens of light,

Each tube has a detachable power cord with on/off switch.

**OUR PRICE: \$22.00**

### 880LM CREE XM-L T6 LED ZOOMABLE FLASHLIGHT



This flashlight is made of high quality 6061T aluminum alloy. It has the CREE high power LED with a lifespan of up to 100,000 hours.

Super bright, blinding effect when set on self-defense mode. The front bezel is tactical enhanced.

**OUR PRICE: \$15.95**



*We'll Get You Wired!*

(480) 208-1700  
WWW.WIREDCO.COM

CABLES  
CONNECTORS  
ACCESSORIES  
LED LIGHTING



# FRIDAY WORKSHOPS

## Contesting and Station Improvement

Shiloh Inn — Banquet Room

9:00 - 12:00	<b>How to Get Started in Contesting, Maximize Your Score (...and Live to Tell About It!)</b> Mike Ritz (W7VO)
	<b>Little Gun vs Superstation - Just How Much Weaker Am I?</b> Dean Straw (N6BV)
	<b>Washington Salmon Run: How to Enjoy a State QSO Party</b> Jim Hadlock (K7WA)
Noon	Luncheon
13:00 - 17:00	<b>Operating Portable for Contesting and Fun</b> Sean Kutzko (KX9X)
	<b>Terrain Assessment for Contesting -- Higher Isn't Necessarily Better</b> Dean Straw (N6BV)
	<b>VHF Roving and How to Have Fun Doing It</b> Darryl Holman (WW7D)
	<b>Special Event Operating</b> Grant Hopper (KB7WSD)

## Ad Hoc Mesh Digital Networking

Seaside Convention Center — Seaside B & C

13:00 - 16:30	<b>Ad hoc Mesh Digital Networking Workshop</b> Steve Aberle (WA7PTM); Brian Heaton (KY9K)
---------------	--

# SEMINAR SCHEDULE

See Pages 20 & 21 for Seminar Synopsis

(use row letter and column number (e.g. "D4"))

## SATURDAY

Time		Riverview A 1	Riverview B 2
10:00 - 10:50	A	PSK31: Another Way to Have Fun	HSMM-Mesh 101: An Introduction
11:00 - 11:50	B	Fun with Slow Scan Television, SSTV	HSMM-Mesh 202: Adding Services
12:00 - 12:50	C	Getting involved with Emergency Communications	HSMM-Mesh 303: Networks and Routing
13:00 - 13:50	D	Ham-friendly Digital Signal Processing (DSP)	HamWAN in Western Washington
15:00 - 15:50	E	Operating as the DX	Club Log: A Must have tool for every DXer
16:00 - 16:50	F	Ham Radio Legal Issues	DX'ing for the New Ham: The First 100 Countries to the Honor Roll

## SUNDAY

Time		Riverview A	Riverview B
10:00 - 10:50	G	Multi-protocol, multi-application UHF digital radio	Using Yeasu's C4FM Digital Mode
11:00 - 11:50	H	Ham Radio Deluxe: The Perfect Tool For Your Ham Radio Adventure	7th Area QSL Bureau

# SEMINAR SCHEDULE

Riverview C 3	Seaside A 4	Seaside B&C 5	Seamist 6
Working Your First Amateur Satellite with Equipment You Already Have	Publicize Ham Radio	A Tour of ARRL Headquarters	Introduction to Ham Radio
Homemade Antennas for the Technician	How To Beat The Morse Code (CW) 5, 7, 10, 13, 15, 17 & 20+ WPM	Hood to Coast radio system	Amateur Radio and Scouting
WinLink 2000 VHF/UHF	Behind the Scenes of the 7QP Event	How to Blow Up Your Balun	New 630 meter (475kHz) Band
Simple Slow Scan TV	Portable Power Systems For Ham Fun On The Run	ARRL Forum	Meeting: National Traffic System
Program your Ham Radio with CHIRP	Ham Radio in a Small Town	Leveraging Advanced Software Defined Radio for Better DX	YL History
Antennas for 10- and 6-Meter Fun	ORRC Repeater Workshop	Oso, WA Landslide Support - A Personal Perspective	CW Proficiency Test

Riverview C	Seaside A	Seaside B&C
Getting Started for Fun on 10m and 6m	How To Beat The Morse Code (CW) 5, 7, 10, 13, 15, 17 & 20+ WPM	Evolution of Electronic Systems for Television Broadcast
Send Your Smart Phone to Ham College	Oregon ARES and the Oregon ARES Digital Network	ARRL at 100 - A Century of Ham Radio

**NOTE: The 'Riverview' and 'Seaside' Rooms are Upstairs and the 'Seamist' room is downstairs**

# SEMINAR SUMMARIES

<b>A1</b>	<b>Randy Hall (K7AGE)</b> - PSK31 is a popular HF mode that is easy to set up and get on the air. Start with a PC, sound card, interface, radio, and software. Randy will show clips from his PSK31 videos.
<b>A2</b>	<b>Scott Scheirman (W7SLS)</b> - The July 2013 QST had a cover article on digital networking in the amateur bands. The seminar introduces ad hoc mesh networks, equipment, how to load firmware, and basic LAN/WAN setup and operation.
<b>A3</b>	<b>Scott Harvey (KA7FVV)</b> - A beginners guide to working the FM "easy sats" with existing equipment. Scott will cover equipment needed, satellite tracking and how to make a contact. Get started with satellite fun.
<b>A4</b>	<b>Sean Kutsko (KX9X)</b> - For many, ham radio remains a well-hidden activity that you can help change. Sean will lead a roundtable discussion on how we can spread the good word about this wonderful hobby. Share your stories.
<b>A5</b>	<b>Bob Inderbitzen (NQ1R)</b> - Enjoy a tour of the largest national Amateur Radio society in the world. Visit the ARRL Laboratory, meet the QST editors and production team, and tour W1AW, the Hiram Percy Maxim Memorial Station.
<b>A6</b>	<b>Ev Curry (W6ABM); Ed Stuckey (AI7H)</b> - Have you ever wondered why so many people are fascinated with radio and distant signals? Two experienced hams will show a new video from the ARRL and answer your questions about the hobby.
<b>B1</b>	<b>Randy Hall (K7AGE)</b> - Slow Scan TV (SSTV) started in the 1950s using homebrew tube rigs. Systems evolved from tubes to commercial hardware to computers. Now you can use a smart phone with a 2m radio for SSTV.
<b>B2</b>	<b>Steve Aberle (WA7PTM)</b> - Add camera, chat, web browsing, VoIP, ssh, and other applications to your ad hoc mesh network. This seminar is a step beyond the basics and will give you the flavor of what these networks can do.
<b>B3</b>	<b>Dave Paulson (NA7DP)</b> - Need a better signal? Homebrew antennas with inexpensive materials that play well are easily possible for the beginner. Learn more about how antennas work and how to use them for a better signal.
<b>B4</b>	<b>Bill Balzarini (KL7BB)</b> - Listen ahead, write delayed, build a CW buffer. Improve your CW skill and have fun!
<b>B5</b>	<b>Martin Anderson (KC7ILK)</b> - The Hood-to-Coast event each August puts 1000 12-person running teams on a course that winds 197 miles from Timberline on Mt. Hood to Seaside. Learn how hams help keep runners and other safe.
<b>B6</b>	<b>Phil Sohn (K7APS); Eric Jarvi (AD7F)</b> - Learn how a fun youth program attracted over 300 kids who earned the radio merit badge and over 100 earned the technician license. Take this program to your area... learn how.
<b>C1</b>	<b>Vince Van Der Hyde (K7VV)</b> - Many hams gain a license so they can help during emergencies. Learn about the various organizations that would like your help, and how you can prepare yourself for volunteering.
<b>C2</b>	<b>Brian Heaton (KY9K)</b> - Examine how to link hardware from multiple vendors, bridge between network segments, route network traffic for longer hops, host Emcomm applications, tunnel through the Internet, and more.
<b>C3</b>	<b>Jeff Holweg (AB7DN); Roxann Holweg (AB7HO)</b> - WinLink over VHF or UHF links offers emergency communicators a reliable and easy to deploy comm link. Learn how to get started for success using this communications mode and have fun, too.
<b>C4</b>	<b>Dick Frey (K4XU)</b> - Learn what goes on to plan, organize, and score one of the most popular operating QSO event. Gain some insight to the way others have fun with the event, not to mention activating rare counties.
<b>C5</b>	<b>Dean Straw (N6BV)</b> - Many single-dipole multiband antenna systems include common-mode current chokes (choke baluns), usually with open-wire feeder lines. Avoid disaster to your choke baluns, antenna tuners, feeder lines
<b>C6</b>	<b>Rudy Severns (N6LF)</b> - Rudy will report on a possible new ham band (475 kHz) he and other selected hams recently tested. By presentation time, he may be able to announce an FCC decision on the band.
<b>D1</b>	<b>John Petrich (W7FU)</b> - See GNU Radio in action using GNU Radio Companion, an open source graphical DSP library application for hams who are interested in constructing their own DSPs for SDRs (Software-Defined Radios).
<b>D2</b>	<b>Bart Kus (AE7SJ)</b> - HamWAN is a cellular and sectorized network, with security built in from the ground up. Overcome the problems of mesh networks, with a more scalable and stable path for the future.
<b>D3</b>	<b>Allen Kerr (N7YAF)</b> - Learn how to get started with slow scan TV. See a simple working station and learn how to join the fun with this mode. This capability adds pictures to emergency incidents for managers.
<b>D4</b>	<b>Grant Hopper (KB7WSD)</b> - Operate portable without that long extension cord behind? Grant will show several methods he tested so you can power your rigs away from the power grid in fun places (like the beach or mountains).
<b>D5</b>	<b>Jim Pace (K7CEX); Bonnie Altus (AB7ZQ)</b> - ARRL national, division, and section leaders will discuss League activities, the future of ARRL, and answer your questions.
<b>D6</b>	<b>Scott Gray (W7IZ)</b> - Meeting for the National Traffic System participants.

# SEMINAR SUMMARIES

<b>E1</b>	<b>Rick Smith (KT7G)</b> - Rick operated from North Cook Islands, Belize and other locations. Huge pileups require skill, patience, and different operating style than back home. Learn how to become DX.
<b>E2</b>	<b>Rocky Evans (NE7D)</b> - ClubLog offers a way for Dxpeditions to post their contacts so you can find whether or not you are "in the log". It also provides analytical tools for propagation patterns. Improve your success.
<b>E3</b>	<b>Dan Smith (K17DS)</b> - Learn how CHIRP can simplify programming your multifeature radio easily. End your frustration.
<b>E4</b>	<b>Grover Laseke (KG7O)</b> - Learn how one mayor of a small Washington town near Mt. St. Helens tries to involve hams in town preparedness planning and activities.
<b>E5</b>	<b>Greg Jurens (K5GJ)</b> - Learn about how you can leverage recent advances in Software Defined Radio for better DX and contest operation. Tools, tips, and tricks for grabbing the rare ones with SDR.
<b>E6</b>	<b>Barbara Yasson (AC7UH)</b> - The seminar will review the long history of the Young Ladies Radio League (YLRL) and where it will go in the future. How many organizations formed in 1938 are still around and vital? Come see why.
<b>F1</b>	<b>Phil Kane (K2ASP)</b> - Phil and others will briefly discuss some legal issues you might bump up against when you build your station. They will also answer many of your questions. Bring your questions.
<b>F2</b>	<b>Vince Van Der Hyde (K7VV)</b> - See QSL cards from around the world, some beautiful, some interesting, some simple. Each confirmed a QSO for DXCC. Learn how to reach that plateau and move beyond without spending a fortune.
<b>F3</b>	<b>Budd Drummond (W3FF)</b> - Budd will show how he builds working antennas for 10m and 6m. All hams can use these bands for fun.
<b>F4</b>	<b>Daron Wilson (N7HQR)</b> - Discuss some of the typical issues faced by repeater owners that can affect user and owner alike. Come with questions and learn how the coordination process works behind the scenes.
<b>F5</b>	<b>Scott Honaker (N7SS)</b> - Every event presents unique challenges despite training. Snohomish County recently had a large landslide with over 1000 people working on Hwy 530. Hear how hams supported the incident.
<b>F6</b>	<b>Phil Yasson (AB7RW)</b> - CW was the original language of ham radio. Come test your CW proficiency, or watch as others copy the code. You can earn a certificate or the "Harry S Lewis" award for your copying ability.
<b>G1</b>	<b>John Hays (K7VE)</b> - NW Digital Radio spent 2+ years developing a new digital radio for amateur radio use. Review design and use of the UDRX-440, a multi-protocol/multi-application platform radio with embedded computer.
<b>G2</b>	<b>Marc Peterson (W7PM)</b> - Learn about and experience the Yaesu System Fusion C4FM digital technology. Rolled out last year, the C4FM technology and it's DR-1 repeater system can co-exist with regular analog FM traffic.
<b>G3</b>	<b>David Walton (W7CAR)</b> - Technicians can talk to the world on the six and ten bands. Learn what kinds of antennas work, and how you can get started with the fun. Six is fickle and way too much fun!
<b>G4</b>	<b>Bill Balzarini (K17BB)</b> - Listen ahead, write delayed, build a CW buffer. Improve your CW skill and have fun!
<b>G5</b>	<b>Jack Barnes (WA7KMR)</b> - Getting picture and sound from the field to your TV screen takes imagination and engineering. Learn about the evolution in broadcast TV support over the past 30 years from one who was there.
<b>H1</b>	<b>Rick Ruhl (W4PC); Jason Boyer (N6EY)</b> - Ham Radio Deluxe offers logging and digital operations that opens new opportunities for hams. Come learn more about the exciting potential offered by this software.
<b>H2</b>	<b>Marc Willis (NC7M)</b> - Ever wonder how QSO cards come from far-away places and finally to your mailbox? Marc will show you some beautiful QSO cards and discuss how the magic happens to get cards into your hands via bureau.
<b>H3</b>	<b>Ken Tolliver (K7ICY)</b> - Learn some ways that your smart phone can integrate with your ham radio hobby.
<b>H4</b>	<b>Vince Van Der Hyde (K7VV)</b> - Learn about the Oregon ARES Digital Network that links county and other entities together as a back-up system to commercial and government data links. Also learn how ARES operates in Oregon.
<b>H5</b>	<b>Bob Inderbitzen (N1Q1R)</b> - The ARRL reached the century mark in age. Bob will show a new ARRL video on our history and answer questions about the League and amateur radio. Attendees will receive a FREE ARRL Timeline.

## Edward Stuckey, AI7H

### Idaho Section Manager

**Ed Stuckey, AI7H**, was originally licensed as KNØINT back in 1957. During his working career, he was a Naval officer for six years, then as an industrial engineer and project manager for Nestlé USA for 33 years, principally located in the Los Angeles area. In 2004, Ed moved to Idaho and has loved every minute of it.



Ed is currently a member of Kootenai Amateur Radio Society (KARS) located in Coeur d'Alene, ID. He has been the ARRL Section Manager for Idaho for the past four years, spending oodles of time doing all the things that a SM does. Recent special attention has been focused on strengthening the emergency communications organization in the state. While not SM'ing, he is a local Elmer, getting two or three new hams established each year; and an avid home-brewer (of radio stuff), particularly interested in antenna and transmission line installation and safety. Operating activities include low-band DXing (especially 160 Meters), NTS nets, occasional contesting, and generally roaming the bands looking for a casual QSO, mostly on CW.



## ELK ANTENNAS

WWW.ELKANTENNAS.COM  
2308 LOMOND LN.  
WALNUT CREEK, CA 94598-3705  
925-330-0049  
AF6PU@ARRL.NET

### LOG PERIODIC ANTENNAS FOR THE RADIO AMATEUR!

#### THREE MODELS:

- 2 M/440 MHz
- 220 MHz
- 440 MHz

#### LOTS OF USES:

- VHF/UHF DXING
- DISTANT REPEATERS
- WORK SATELLITES
- EMCOMM
- DIRECTION FINDING
- PERMANENT OR PORTABLE



# RADIO PROGRAMMING SOFTWARE AND USB CABLES THAT WORK!

Easily explore ALL the features of your radio. Anything you can enter from the face of your handheld, mobile, HF radio or receiver can be setup and saved in the Programmer for that model\*. Software programming kits available for Alinco, Anytone, Baofeng, Icom, Jetstream, Kenwood, Wouxun or Yaesu radios.

*\* Each Programmer is unique to a specific radio... just as your radio is unique in itself.*

**rt**SYSTEMS   
RADIO PROGRAMMING MADE EASY



USB  
Computer  
Connection



Radio  
Connection

- Program All Memory Channel Details
- Easily Change Set Menu Items
- Read Current Radio Configuration
- Copy and Paste Between Files - Even Files for Different Radios
- Interface with ARRL TravelPlus™ or RFinder Worldwide Repeater Directory
- No Comport Setup
- Programming and Control USB cables for current and past radio models.

800-921-4834 | [www.rtsystemsinc.com](http://www.rtsystemsinc.com)  
510 Compton Street, Suite 105 | Broomfield, Colorado 80020

## Jim Larson, AL7FS Alaska Section Manager

**Jim Larson, AL7FS**, was originally licensed as WA0LPK from 1965-1985. Jim is a member of the Anchorage Amateur Radio Club (AARC) and the Elmendorf (AFB) Amateur Radio Society. Previous leadership roles included eight years as President or Vice President of AARC. He has been active as a radio operator in Shaktoolik, Alaska for the Iditarod Dog Sled Race and was the Race Communications Director in 1987. Jim is a retired Lt Col, USAF and worked for AT&T Alascom for 16 years.



Jim is currently a charter member on the Alaska Interoperability Communications Committee, a State of Alaska organization. He also is active with the Alaska Partnership for Infrastructure Protection. Most recently he was instrumental in placing amateur radio into the Alaska State Emergency Operations Center. As a 36 year Alaska resident, Jim has participated in HF from 160-10 meters (CW and SSB), A-1 Op, packet, PACTOR, satellite, 6 meter, UHF, VHF, ATV, EME (2 meter WAS #36 from Alaska), DX, and QRP. QRP has lasted the longest and the strongest - 1970 to the present and he is a member of the Pacific Northwest QRP Group in the Seattle area.



## 7th AREA QSL BUREAU

A VOLUNTEER SERVICE FOR AMATEURS WORLD WIDE

Sponsored by





## **SEA-PAC 2014 PIN Design Winner**

**Arlene Hand, KF7NDO**



**Arlene Hand, KF7NDO**, became a licensed amateur radio operator in 2010, earning her technician and general ticket through a class given by King and Kitsap County Red Cross. She's very interested in the community service aspect of amateur radio. Arlene is a member of the Kent Communication Support Team (in Kent WA), which supports the



Kent Regional Fire Authority Office of Emergency Management. One of her team responsibilities includes the portable radio kits that are located at selected fire stations to be used during disasters ("when all else fails, ham radio"). She participates in KCST's 5<sup>th</sup> Saturday and field day exercises. Arlene has very recently joined the King County Search and Rescue team, as part of the Incident Support Team. The IST provides radio logging, administration and ICS expertise before, during, and after missions. Her other areas of involvement include Skywarn Spotter and Seafair Emergency Management Group volunteer. Arlene is actively pursuing additional education, including completing Community Emergency Response Team (CERT), additional FEMA Emergency Management Institute (EMI) courses, Communication's Academy, Citizen Corps, and SAR Academy. She belongs to many amateur radio organizations: ARRL, the Mike and Key Amateur Radio Club, and the Boeing Employee Amateur Radio Society (BEARS). Her hobbies include arts, crafts, sewing, gardening, baking, and photography. Arlene enjoys time with her husband, Rich, exploring local sites, hiking, and camping.

## **Thank you for joining us at SEA-PAC 2014!**

Founded in 1914, ARRL is the National Association for Amateur Radio in the USA and celebrating **100 Years of service**. Today, with more than 160,000 members, the ARRL is the largest organization of radio amateurs in the world. Visit the ARRL table in the front lobby and learn how to join.

**Celebrating 100 years of  
"Advancing the Art and Science of Radio."**

**This year is SEA-PAC's 32nd year,  
the YL's 75<sup>th</sup> anniversary,  
and Icom's 50<sup>th</sup> anniversary!**

### PRECISION HAM RADIO MEASUREMENTS ACCESSORIES



- ◆ STATION MONITORS
- ◆ TWO TONE TEST GENERATORS
- ◆ RETURN LOSS BRIDGES
- ◆ SAMPLERS/COUPLERS
- ◆ DEMODULATORS
- ◆ DUAL DIRECTIONAL COUPLERS



### SEA-PAC Feedback Request

We appreciate feedback on your experience at SEA-PAC. To share it with us, send us an email with your comments to:

seapac@seapac.org

Thank you in advance for taking the time to help us make SEA-PAC 2015 an even better experience!

### SEA-PAC Flea-Market

Please take time to visit the numerous 'flea-marketeers' who brought ham treasures galore to share with others. Their excess might just be the thing you need for a project!

If you want to host a table next year, please check the SEA-PAC web page for the opening date for 2015 registrations."

## Seamist Meeting Room Schedule

### Saturday

1:00 pm - 2:15 pm	NTS meeting	Scott Gray, W7IZ
4:00 pm - end	CW Proficiency Test/Contest	Phil Yasson, AB7RW

### Sunday

9:00 am - 10:00 am	WWARA Quarterly Meeting	Kenny Richards, KU7M
10:30 am - 11:30 pm	ARRL NW Division Cabinet	Jim Pace, K7CEX

## Holiday Inn Meeting Room Schedule

### Saturday

10:00 am - 11:00 am	Oregon ARES	Vince Van Der Hyde, K7VV
3:00 pm - 4:15 pm	Oregon Section Cabinet	Everett Curry, W6ABM



**2014 ARRL/TAPR Digital Communications Conference**

September 5-7 in Austin, Texas

Make your reservations now for three days of learning and enjoyment at the Austin Marriott South hotel. The Digital Communication Conference schedule includes forums, demonstrations, a Saturday evening banquet and an in-depth Sunday seminar.

This conference is for everyone with an interest in digital communications—beginner to expert.

Call Tucson Amateur Packet Radio at: **972-671-8277**, or go online to **[www.tapr.org/dcc](http://www.tapr.org/dcc)**

## CW Proficiency Test/Contest



At 4:00 pm Saturday in the Seamist room, SEA-PAC is sponsoring the Harry W. Lewis, W7JWJ, Memorial CW Contest. CW enthusiasts will be extended the opportunity to compete for the Harry W. Lewis CW Award, a recognition of high-speed CW skill.

Harry Lewis W7JWJ (SK) was a broadcast engineer and Morse telegrapher. He could copy Morse code in excess of 75 WPM. He was the former ARRL Western Washington Section Manager (1991 - 2003), and passed away in October 2013 at the age of 90.

Harry was married to Mary Lewis W7QGP (SK) who passed away earlier in March 2013. She served as Northwestern Division Director and Western Washington SM.



# QRZ.COM

## The DX Store

No BS. Just good old fashioned customer service.

Headsets



HEADQUARTERS



Microphones



Booms - Mounts - Cables - Parts

sales@dxstore.com  
www.dxstore.com

## EMBROIDERED HAM HATS

# HOTPRESS

### HAM HATS

### HAM HATS MADE BY HAMS

20406 RHODDY DR. E BONNEY LAKE WA 98391

253-862-8322 1-800-862-1221

[www.hotpresstshirts.com](http://www.hotpresstshirts.com)

COMPUTERIZED EMBROIDERY

NOW ACCEPTING *PayPal* ON LINE

## SERVING HAMS SINCE 1994

## Everett Curry, W6ABM Oregon Section Manager



**Everett Curry, W6ABM**, holds an Extra class license and received his first amateur radio license in 1956. Everett's primary interests in amateur radio are public service and encouraging hams to get on the air and upgrade to the next level of license.

Everett was appointed as the Oregon Section Manager in 2014.

He has served the OTVARC club as editor of The OSCILLATOR (15 years) and as Vice President and Secretary over many years. He currently serves as the club Secretary.

## Royal Order of Wouff Hong

The Wouff Hong is amateur radio's most sacred symbol and stands for the enforcement of law and order in amateur operation. The Wouff Hong Ceremony is performed only at ARRL conventions. Wouff Hong sprang from the imagination of ARRL co-founder Hiram Percy Maxim, W1AW, as a means to combat poor operating practices.

An attractive Royal Order of the Wouff Hong certificate will be presented to each person who is initiated at the ceremony which will take place Saturday at 30 minutes before midnight on Saturday, June 7th. This induction is available to any licensed amateur who is a member of the ARRL.



While they last, special entry passes will be available at the ARRL booth.

Whether activating a rare entity or breaking a pile up from the other side of the world—  
We have you covered

SteppIR



CrankIR Portable Vertical



2 Element 20m-6m Yagi

Congratulations to the ARRL on  
your Centennial Celebration

DB42 Dream Beam



DB18 Dream Beam



SteppIR

SteppIR Antenna Systems • 425-453-1910 • [www.steppir.com](http://www.steppir.com)



**QRZ.COM**

### **George Forsyth, AA7GS** **Montana Section Manager**



Licensed nearly 30 years, George is an Extra Class licensee. He has committed himself to build the Montana Section into a vibrant community where everyone is involved and recognized. An ARRL Life Member with 26 years as a Volunteer Examiner, He served as President (five terms) of the Great Falls Area Amateur Radio club and Director of the Glacier/Waterton Hamfest.

## **SEA-PAC CONTACTS**

General Information: [info@seapac.org](mailto:info@seapac.org)

Exhibitors: [exhibitors@seapac.org](mailto:exhibitors@seapac.org)

Flea Market: [fleamarket@seapac.org](mailto:fleamarket@seapac.org)

Registration: [registration@seapac.org](mailto:registration@seapac.org)

Seminars & Workshops: [seminars@seapac.org](mailto:seminars@seapac.org)

Prizes: [prizes@seapac.org](mailto:prizes@seapac.org)

**SEA-PAC** Web Site: <http://www.seapac.org>

Mailing Address: SEA-PAC Convention  
Post Office Box 25466  
Portland, Oregon 97298-0466

## **Chuck Mickley Memorial Scholarship**

The Oregon Tualatin Valley Amateur Radio Club sponsors a scholarship for licensed Amateur Radio Operators. The CHUCK MICKLEY Memorial Scholarship was created to the memory of Charles R. Mickley, a dedicated club worker and ham radio operator. The Scholarship is intended to further the education of, and honor, a student who holds a current Amateur Radio license. The Scholarship is administered by the Board of Directors of Oregon Tualatin Valley Amateur Radio Club through a Scholarship Committee.

It is the intention of the Club to award the scholarship annually when a qualified candidate completes the necessary application. Currently, the scholarship award is \$1,000.00, subject to available funds. A qualified candidate will be an licensed amateur radio operator who plans to be a full-time student (at least 12 credit hours) in the following academic year. The candidate will have a cumulative high school or college GPA of at least 3.00 out of 4.00, or equivalent college entrance requirements. The candidate is expected to enroll, or be enrolled, in a 2 or 4 year degree program at an accredited college or university. Priority is given to those with a college major in the fields of: Physical Sciences, Math, Engineering, Computer, or, Education in one of the above. The candidate is expected to have a well-rounded student and participation pattern in other school and community activities, and be a U.S. citizen. Priority is given to residents of Oregon counties: Clackamas, Multnomah, Washington and Yamhill.

Correspondence may be directed to: OTVARC Scholarship Committee  
P.O. Box 5471, Beaverton, OR 97006-5471  
[www.otvarc.org](http://www.otvarc.org) or [otvarc@gmail.com](mailto:otvarc@gmail.com)

# BUDDIPOLE

Secure online ordering at:  
[www.buddipole.com](http://www.buddipole.com)

Please call or write for  
**free brochure!**



## BUDDIPOLE



### WHAT IS THE BUDDIPOLE?

- > Multi-band design works 9 bands (40 meters thru 2 meters) with one set of adjustable coils!
- > Rated from QRP to 250 watts PEP
- > Modular Design - create dozens of different antennas with interchangeable parts
- > Rotatable/Directional
- > Lightweight, rugged components
- > Optional Rotating Arm Kit allows users to instantly change antenna configurations
- > Used by the U.S. Military Special Forces, Marine Corps Recon and Emergency Services Groups throughout the world

### WATCH OUR VIDEOS

[www.youtube.com/buddipole](http://www.youtube.com/buddipole)

### ADDRESS

3028 SE 59th Ct. #600  
Hillsboro, OR 97123

tel: (503) 591 8001  
fax: (503) 214 6802  
[info@buddipole.com](mailto:info@buddipole.com)

### WHAT IS THE BUDDIPOLE?

The Buddipole™ Portable Dipole fits in your travel bag and assembles in minutes. The Buddipole is more than an antenna, it's a versatile system for launching your signal. Optimized for transmit power and proven for DX work, the Buddipole is the secret weapon used by HF portable operators all over the world.

### CUSTOM A123 BATTERY PACKS!

Custom manufactured A123 Nanophosphate battery packs for all portable radios. These batteries provide unparalleled performance in the field. See our website for more details.





## RAGS Country Store

As a service to flea market buyers the RAGS (Radio Amateurs of the Gorge) club provides a testing center for equipment. Power supply, voltmeter, service monitor, oscilloscope and frequency counter are a part of our testing ability. Check out what you are considering buying. Have a piece of gear to sell? We consign for you and at a reasonable charge. Neither RAGS nor Sea-Pac can accept responsibility for the condition of any equipment nor can be held responsible for any damage as a result of use of test gear. As an additional service to the amateur radio community, RAGS also provides a Country Store where rigs and other equipment will be displayed for sale. Remember, your boat anchor is someone else's dream machine!



## The 7th Annual STARS/SEARC All You Can Eat Spaghetti Dinner

Everyone Welcome

Friday, June 6, 2014 from 5:00 p.m. to 8:00 p.m.

Bob Chisholm Center, 1225 Avenue A, Seaside, OR

Adults \$8

Children 7-12 \$6

\$1 off admission with proof of Ham license or **SEA-PAC** Registration.

*(This is not a **SEA-PAC** sponsored event)*

*Please express your appreciation to the many dedicated volunteers, vendors,  
and flea-marketers that made **SEA-PAC** 2014 possible.*

*The **SEA-PAC** committees are listed on page 34.*

# SEA-PAC COMMITTEE

## CHAIRMAN

Wayne Schuler, AI9Q

## OTVARC LIAISON

Herb Hirst, K7HLH

## ADMINISTRATION

Everett Curry, W6ABM

Gary Takis, K7GJT

Wayne Schuler, AI9Q

## ADVERTISING/SALES

Al Berg, W7SIC

Wayne Schuler, AI9Q

## BANQUET & LUNCHEONS

Everett Curry, W6ABM

Will Hobbs, WI7O

Al Berg, W7SIC

## EXHIBITORS

Al Berg, W7SIC

Wayne Schuler, AI9Q

## FINANCIAL

Linda Sutton, KC7YTD

Warren Winner, W7JDT

## HOSPITALITY

Betty Mickley, N7REX

Joe Boyd, N7VZS

Ann Boyd

Scott Adams, KB8PRS

Tia Adams

Charles Mickley, Jr.

Molly Mickley

Dominic Moran

## PIO

Pat Roberson, W7PAT

## PUBLICATIONS

Gary Takis, K7GJT

Wayne Schuler, AI9Q

Warren Winner, W7JDT

## WEB SITE

Melissa Nelson, KF7JIK

Michael Nelson, N7IQM

## PRIZE COMMITTEE

Warren Winner, W7JDT

Darwin Durr, K7PSD

Mel Sutton, KB7PVW

Rick Banton, KD7THV

Gene Bartsch, WI7N

John Bucsek, KE7WNB

Everett Curry, W6ABM

Mike Durr, KA7PWZ

Bob Recny, N8SQT

Jim Schaeffer, KB7ADH

Linda Sutton, KC7YTD

Candice Vaetz-Eigner, KF7WPQ

Barb Winner

## REGISTRATION

Melissa Nelson, KF7JIK

Michael Nelson, N7IQM

Jerry Sheffield, N7THL

Kristin Tomson, K7KWT

## SEMINARS

Delvin Bunton, N7QMT

Mary Berg, N7TRW

Ken Tolliver, K7ICY

Scott Scheirman, W7SLS

Don Young, N7DY

Tina Drew, KG7AWZ

Don Parvin, KG7FEN

## SECURITY

Bruce Bullis, KG6CI

Eric Keerbs, AD7HM

## SET-UP EXHIBITORS

Jerry Kenyon, KB7LNR

Ken Woolston, KE7OSO

Dave Wright, N7DWL

Cindy Kenyon, KC7UJD

Michael Nelson, N7IQM

Ivan Loock, N7PRM

Geoff Apgar, W7JEZ

Steve Brice, NA7T

Wes Allen, K7WWG

Steve Coan, KA7MOW

## SETUP-FLEA MARKET

Lynn Hurd, WB7UNU

Tom Hill, WA3RMX

Dave Wright, N7DWL

## V.E. TESTING

John Bucsek, KE7WNB

Frank Wenzl, AE7IS

James Gregg, N7JRG

Hal Rosene, KK7E

G. Bruce Maxwell, N5GB

Bill Peek, KE7VBS

Raul Gonzalez, N7BAR

Rich Morgan, KD7GIE

Russ Mickiewicz, N7QR

## SPECIAL EVENT STATION

Ron O'Conner, KD7VIK

Russ Mickiewicz, N7QR

## TALK-IN STATION

**STARS (Seaside) and Sunset**

**Empire (Astoria) A.R.C.**

Robin Knoll, KN0LL

Pat Love, KE7RBM

Albert Wood, KE7OUE

Hal Dennison, WA7FIV

Pat Craig, KF7VXM

Greg Filliger, N7RIA

Pat Haggard, AE7QU



Like SEA-PAC  
on Facebook!



### **The Wilse Morgan, WX7P, Memorial ARRL Northwestern Division Scholarship**

This scholarship fund has been endowed through the generosity of the members of the ARRL Northwestern Division in memory of Wilse Morgan, WX7P (SK). Wilse lived in Washington, and was deeply involved in ARRL and the many Amateur Radio activities in the Northwestern Division. Every year, a scholarship in Wilse's memory is awarded to an eligible young ham living in the Northwestern Division (Alaska, Idaho, Montana, Oregon, or Washington) active in emergency communications, contesting, DXing, or other Amateur Radio activities, and who is pursuing higher education to study engineering, medicine, science, or business.

To contribute to this scholarship, please go to [www.arrl.org/arrl-foundation-donation-form](http://www.arrl.org/arrl-foundation-donation-form) or contact Lauren Clarke, KB1YDD, at [lclarke@arrl.org](mailto:lclarke@arrl.org) or 860-594-0348.

If you know of a young person interested in applying for the Northwestern Division Scholarship, please have him or her visit [www.arrl.org/scholarship-program](http://www.arrl.org/scholarship-program) to learn more.

***"The Northwest's Largest Ham Convention"***



**'15**

**June 5, 6 and 7, 2015**

**ARRL NORTHWESTERN DIVISION CONVENTION  
Seaside Convention Center, Seaside Oregon**

**Commercial Exhibits • Giant Flea Market • Seminars  
Banquet/Entertainment • VE Testing • DX & YL Luncheons**

***On the beautiful Northwest ocean beach***

**Exhibitor Contact:**  
exhibitors@seapac.org

**Flea Market Contact:**  
fleamarket@seapac.org

**Registration Contact:**  
registration@seapac.org

**◀ [www.seapac.org](http://www.seapac.org) ▶**

**I want to be part of SEA-PAC '15 - Please send me:**

☐ Registration Form      ☐ By e-mail      ☐ By US Mail

☐ Flea Market Information

☐ Commercial Exhibit Rates and Contract

☐ I would like to See or Present (circle one) a Seminar on...

Topic \_\_\_\_\_

Name \_\_\_\_\_ Call \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_

Email \_\_\_\_\_

**Fill out this form — Leave at the Registration Desk  
to receive information on SEA-PAC '15.**